

This Page Is Inserted by IFW Operations
and is not a part of the Official Record

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images may include (but are not limited to):

- BLACK BORDERS
- TEXT CUT OFF AT TOP, BOTTOM OR SIDES
- FADED TEXT
- ILLEGIBLE TEXT
- SKEWED/SLANTED IMAGES
- COLORED PHOTOS
- BLACK OR VERY BLACK AND WHITE DARK PHOTOS
- GRAY SCALE DOCUMENTS

IMAGES ARE BEST AVAILABLE COPY.

**As rescanning documents *will not* correct images,
please do not report the images to the
Image Problem Mailbox.**

THOMSON

DELPHION

RESEARCH
[My Account](#) | [Products](#)

PRODUCTS
 Search: [Quick/Number](#) [Boolean](#) [Advanced](#)

INSIDE DELPHION

The Delphion Integrated View

Get Now: ☒ PDF | [More choices...](#)

Tools: Add to Work File: [Create new Wor](#)

View: [INPADOC](#) | Jump to: [Top](#)  Go to: [Derwent...](#)

 [Ema](#)

Title: **JP9330707A2: ROLLER FOR CLOSELY CONTACTING LITHIUM FOIL MANUFACTURE**

Country: JP Japan

Kind: A

Inventor: TONOHARA KOUJI;

Assignee: FUJI PHOTO FILM CO LTD
[News, Profiles, Stocks and More about this company](#)

Published / Filed: 1997-12-22 / 1996-06-10

Application Number: JP1996000147330

IPC Code: H01M 4/08; H01M 4/04;

Priority Number: 1996-06-10 JP1996000147330

Abstract:

PROBLEM TO BE SOLVED: To impart a sufficient close contact strength to a lithium foil with a small pressure contacting force by knurling the outer circumferential surface of a resin-made roller for closely adhering the lithium foil to an electrode plate.

SOLUTION: This roller 10 has a metallic shaft core 14 having a knurling 12 on the outer circumferential surface and a cylindrical body 16 made of a resin such as super-high density polyethylene or polypropylene to which the shaft core 14 is press fitted. The outer circumferential surface of the cylindrical body 16 has a knurling 18, and a plurality of hole part 19 are also formed thereon according to requirement. The roller 10 is arranged on one surface 26a side of a lengthy electrode plate 26 continuously carried in an arrowed direction A in order to intermittently apply an active material to a hoop-like copper foil support body at fixed intervals and stick a lithium foil 28 which is a thin metal foil adhesive to metal to the surface of 26a at a prescribed pitch. A nip roller 40 is arranged on the other surface 26b of the electrode plate 26 in such a manner as to approach to and retreat from the surface 26b.

COPYRIGHT: (C)1997,JPO

Family: None

Other Abstract Info: CHEMABS 128(07)077594R CAN128(07)077594R DERABS C98-107103 DERC98-107103





[Nominate](#)

[this for the Gallery...](#)

© 1997-2003 Thomson Delphion [Research Subscriptions](#) | [Privacy Policy](#) | [Terms & Conditions](#) | [Site Map](#) | [Contact](#)



(19)

(11) Publication number:

09

Generated Document

PATENT ABSTRACTS OF JAPAN(21) Application number: **08147330**(51) Intl. Cl.: **H01M 4/08 H01M 4/04**(22) Application date: **10.06.96**

(30) Priority:

(43) Date of application
publication: **22.12.97**(84) Designated contracting
states:(71) Applicant: **FUJI PHOTO FILM CO**(72) Inventor: **TONOHARA KOUJI**

(74) Representative:

**(54) ROLLER FOR
CLOSELY CONTACTING
LITHIUM FOIL AND ITS
MANUFACTURE**

(57) Abstract:

PROBLEM TO BE SOLVED: To impart a sufficient close contact strength to a lithium foil with a small pressure contacting force by knurling the outer circumferential surface of a resin-made roller for closely adhering the lithium foil to an electrode plate.

SOLUTION: This roller 10 has a metallic shaft core 14 having a knurling 12 on the outer circumferential surface and a cylindrical body 16 made of a resin such as super-high density polyethylene or polypropylene to which the shaft core 14 is press fitted. The outer circumferential surface of the cylindrical body 16 has a knurling 18, and a plurality of hole part 19 are also formed thereon according to requirement. The roller 10 is arranged on one surface 26a side of a lengthy

electrode plate 26 continuously carried in an arrowed direction A in order to intermittently apply an active material to a hoop-like copper foil support body at fixed intervals and stick a lithium foil 28 which is a thin metal foil adhesive to metal to the surface of 26a at a prescribed pitch. A nip roller 40 is arranged on the other surface 26b of the electrode plate 26 in such a manner as to approach to and retreat from the surface 26b.

COPYRIGHT: (C)1997,JPO

